

Hallett Battery Energy Storage System

fact sheet

At the EnergyAustralia Hallett site, we recognise the Ngadjuri people as the traditional and continuing custodians of the lands on which we operate, and we pay our respects to their Elders past and present acknowledging their strong connection to country and culture.

EnergyAustralia plans to build a utility scale battery right next to our Hallett Power Station in Canowie, 210km north of Adelaide, on EnergyAustralia land.

The existing Hallett Power Station can provide approximately five per cent of South Australia's power needs during peak periods.

EnergyAustralia is committed to this project because in just 16 years, South Australia's electricity mix has shifted from below one per cent renewables to more than 70 per cent of energy generated by wind and solar. This is the highest concentration of renewable energy in the world for a grid the size of South Australia's.

Most batteries built in Australia including South Australia to date have been sized at between one and two hours storage, but that is mostly because they were focused on grid services such as frequency control, and network contracts, and not with shifting excess renewables from one time of the day to another. However, batteries sized at four hour durations will have a significant impact on reducing the cost of energy and protection against outages

and other events for consumers and communities. The Hallett BESS will be one of the first systems in Australia to deliver a four-hour system, significantly increasing the value of utility-grade battery storage to stabilise the national energy grid during longer at-risk peak periods. The Hallett BESS supports South Australia's position as a leader in clean energy generation.

Location

We're seeking to develop the Hallett BESS on land we own alongside our existing Hallett power station, which brings some big benefits for construction, delivery certainty and keeps impacts to the surrounding community to an absolute minimum. We can use the existing transmission infrastructure avoiding the need to build new transmission lines on private land.

Looking to the future, the Hallett BESS will allow EnergyAustralia to transition our Hallett gas-fired power station to be in strategic reserve, decrease our emissions, and support more renewables coming into the system.


200

An estimated workforce of 200 full time equivalent jobs for Stage 1 and 2 during construction with a strong focus on local workers and suppliers.



50MW

An initial storage capacity of 50MW



200MWh

A discharge capacity of up to 200MWh



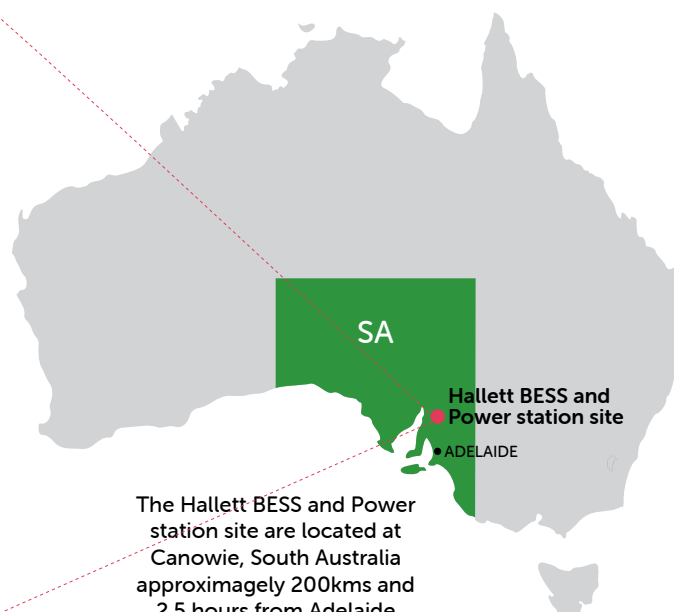
81,000

The ability to power up to 81,000 homes and small business for four hours, during peak periods

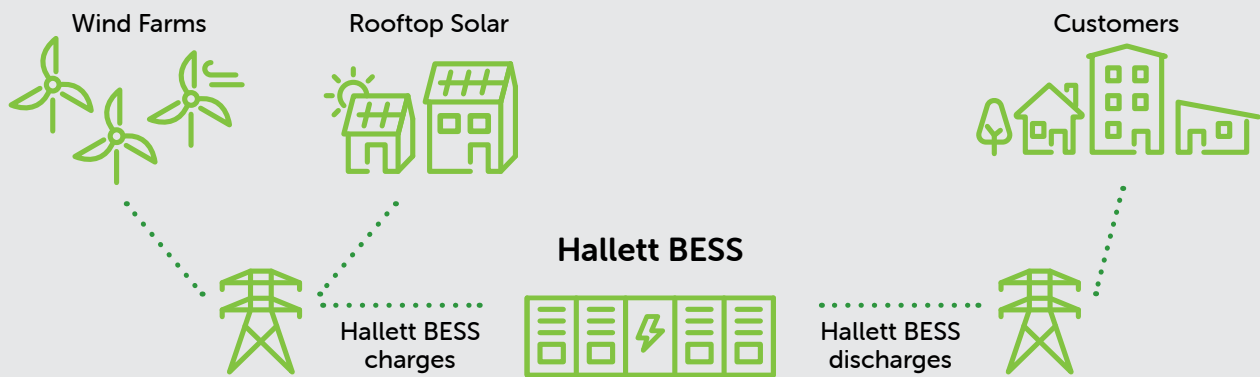


2026

Operational by 2026



The Hallett BESS will typically charge when there is a surplus renewable energy available, such as solar and wind. The stored energy will then be available later to meet customer needs.



What do utility-scale batteries do?

Utility-scale batteries store low-cost electricity, such as excess renewable energy.

When demand for power is higher and there is less low-cost renewable energy available, such as at night, the stored energy is available for use. This helps keep costs down for customers.

Battery storage can also help reduce the potential for blackouts when there is a supply imbalance.

They're a cost-effective way of integrating renewable energy and ensuring energy remains reliable and affordable.

What's next?

We have already made good progress in planning for the Hallett BESS.

The project's development and environmental planning are well advanced, and we have an ambition to expand its capacity in total to 800MWh after the successful completion of Stage 1. Initial findings indicate an overall low impact on the surrounding environment. The project has received Crown Sponsorship from South Australian Government and is recognised as "essential infrastructure" with minimal impact to surrounding community and environment as it leverages existing infrastructure designed to supply and transport energy.

By receiving Crown Sponsorship, it significantly streamlines the proposed project timeline and places us in a good position to have the battery's construction complete by the end of 2026 bringing more renewable options to the market.

While the project has secured an exemption from a development approval process through, we will still adopt accepted industry practice in completing appropriate environmental studies, working with Traditional Owners, site investigations and community engagement to ensure minimal impact to surrounding community and environment.

EnergyAustralia sought expressions of interest from businesses to construct our new energy storage facility. Our future preferred contractor will help to maximise local participation within the Goyder Council and broader Mid-North SA region by drawing on the local expertise of Neighbouring suppliers and construction workers. The selected contractor is expected to be announced by mid-2024.

In the interim, EnergyAustralia will:

- Finalise our procurement process, undertake further inspections and prework on the Hallett Site.
- Continue consultation with key stakeholders such as Goyder Council and the Ngadjuri Aboriginal People to ensure we have Traditional Owner input and respect Country and culture.

- Continue to engage with members of the immediate and surrounding community about the Hallett BESS project. We understand that any project we pursue must be good for the community and the environment.

This will include:

- project updates to residents
- attendance at local community events
- community information sessions.

This technology has great potential to help supply the people of South Australia with a reliable source of electricity when demand is high. **We also believe this**

project could support renewable energy development and sustain Goyder's future as an energy hub.

Energy storage projects, such as this one, are an important part of the national transition to a more secure and reliable energy future.

Moving forward, we will increase local engagement, including with adjacent landowners and local communities ensuring there is information provided about the project and ample opportunity for detailed community consultation and feedback.

This feedback will be used as part of the planning and design of the Hallett BESS.

The project will be subject to the necessary South Australian planning approvals. Subject to these approvals, the Hallett BESS is expected to be operational as early as the beginning of 2026.

We would like to hear from you.

If you have a question, comment, or idea about this project, please reach out to the EnergyAustralia Hallett BESS Project team email:

community.hallett@energyaustralia.com.au

or by telephoning **1800 574 947**

